



PATENT ABSTRACTS OF JAPAN

(11) Publication number: 59049803 A

(43) Date of publication of application: 22.03.1984

(51) Int. Cl. B01D 13/00
B01D 53/22

(21) Application number: 57160812
(22) Date of filing: 17.09.1982

(71) Applicant: TEIJIN LTD
(72) Inventor: UEDA FUMIO
HASHIMOTO EIICHI
YAMADA KENKO
MORI KO

(54) PERMSELECTIVE MEMBRANE FOR SEPARATION OF GAS

(57) Abstract:

PURPOSE: To provide a titled permeable membrane having excellent permselectivity of oxygen and a high transmission rate by consisting the same of polyurea contg. a prescribed amt. of a component having the skeleton of a specific dimethyl siloxane deriv.

CONSTITUTION: A diisocyanate component and a compd. having two amino groups selected from primary and secondary amino groups are brought into reaction with each other. Said diisocyanate component contains 50mol% the component expressed by the formula I [(l) and (m) are the same or different 1W10 integers (n) is 0 or 1W200 integers R¹WR⁶ are the same or different 1W10C hydrocarbon groups, Y¹ and Y² are the same or different formula II (R⁷ is H or 1W6C hydrocarbon groups), -O- or -S-, X¹ and X² are the same or different 2W20C org. groups]. The polyurea obtd. by the above-mentioned reaction is formed into a thin film, whereby the permeable mem-

brane having a high transmission rate of oxygen and excellent selective permselectivity is obtd.

COPYRIGHT: (C)1984,JPO&Japio

